

On the 11th, an important atmospheric depression appeared in the west and affected the southern zone, causing bad weather with violent winds and rain between Concepcion and Chiloe Provinces. This was the beginning of a period of frequent atmospheric changes in the southern zone which lasted until the 23d; depressions succeeded one another at intervals of two to four days as they crossed the southern area. During this period, temperatures were moderate in the south and high in the central zone where fine weather was persistent.

On the 24th the southern anticyclone reestablished itself and lasted until the end of the month; during this period general fine weather prevailed, with southerly winds; the temperature rose rapidly, causing intense hot waves in the central zone, with maximum temperatures of 33° C. (91° F.) in the shade.

METEOROLOGICAL SUMMARY FOR BRAZIL, NOVEMBER, 1925

By J. DE SAMPAIO FERRAZ

(The Meteorological Office, Rio de Janeiro)

The country was visited by four anticyclones the tracks of which were irregular and abnormally far south on account of the activity of the continental Low.

The first two HIGHS appeared in the Argentine on the 9th and 12th respectively, both deflected to a southerly

track by the continental depression. From the 13th to 19th this system dominated the whole center and south of the continent.

The third anticyclone made its appearance on the 20th, following the usual northeastern track, with "surges." The last HIGH, the largest of the month, was first seen on the chart of the 24th, bringing down the temperature generally and producing fresh winds in the south on the 25th, 26th and 27th, on account of the strong contrast in pressure between it and the continental Low, whose occasional vigorous activity was the leading feature of the month.

Rains were generally plentiful in the center and south, excepting in Bahia, although irregular in distribution in some States. In northern Brazil precipitation was below normal, perhaps because of the southern position of the tracks of the anticyclones. Rio de Janeiro had a cool, damp, and unsettled November. On the 29th the city was struck by a passing gale.

Crops were generally good. Cotton harvesting continued, but the crop was less plentiful than in the previous year. Coffee, as indicated by actual yield, will not give a normal crop, having suffered from earlier droughty conditions, although the weather of the present month ran favorably. Cane, cocoa, and tobacco were in good condition, but slightly damaged in the north by rain deficiency.

BIBLIOGRAPHY

C. FITZHUGH TALMAN, Meteorologist in Charge of Library

RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Aircraft development corporation.

Metalclad airships. A proposal to the United States government from the Aircraft development corporation . . . Detroit. 1925. 37 p. plates (part fold.) 29 cm.

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Barbé, M. G.

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Distribution of the alfalfa weevil (*Phytonomus posticus* Gyll.). A study in physical ecology. Washington. 1925. p. 479-491. figs. 23½ cm. (Repr.: Journ. agric. research, v. 30, no. 5. Washington, Mar. 1, 1925.)

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Gregg, Willis Ray.

Aeronautical meteorology. New York. [c1925.] xii, 144 p. illus. maps. diagrs. plates. 22 cm.

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Die Verbreitung der Hydrometeore auf der Erde. p. 285-298. 25½ cm. (Sitzungsber. preuss. Akad. der Wissensch. 15. 1925. Sitzung phys.-math. Klasse vom 30. April.)